

FIG. 1

PGEX-4T-2

BamHI

Not I

... CTGGTCCGCGTG | GATCCCAGGAATTCCGGTCCGACTCGAGC | GGGCCGATCGTGA ...  
 ... GACCAAGGCGCACCTAG | GGGTCCTTAAGGCCAGCTGAGCTCGCCGG | CGTAGCACT ...



BamHI/NotI



... CTGGTCCGCGTG

GGCCGATCGTGA ...

... GACCAAGGCGCACCTAG

CGTAGCACT ...

GTP/ATP | Klenow Pol I



to prevent self annealing of plasmid

... CTGGTCCGCGTG GA

GGCCGATCGTGA ...

... GACCAAGGCGCACCTAG

GGCGTAGCACT ...

FIG. 2

...CTGGTTCGGGTGGA  
...GACCAAGCGCACCTAG

+

EcoRI BamHI  
TCGCAGCGAATTCTCGAGGATCCATCC  
CGTCGCTTAAGAGCTCCTAGTAGGCC  
BbvI FokI  
DNA ligase

MODIFIED VECTOR (pCV3)

EcoRI BamHI  
...CTGGTTCGGGTGATCGCAGCGAATTCTCGAGGATCCATCCGGCCGCATCGTGA...  
...GACCAAGCGCACCTAGCGTCGCTTAAGAGCTCCTAGTAGGCCGCGTAGCACT...  
BbvI FokI

FIG. 3

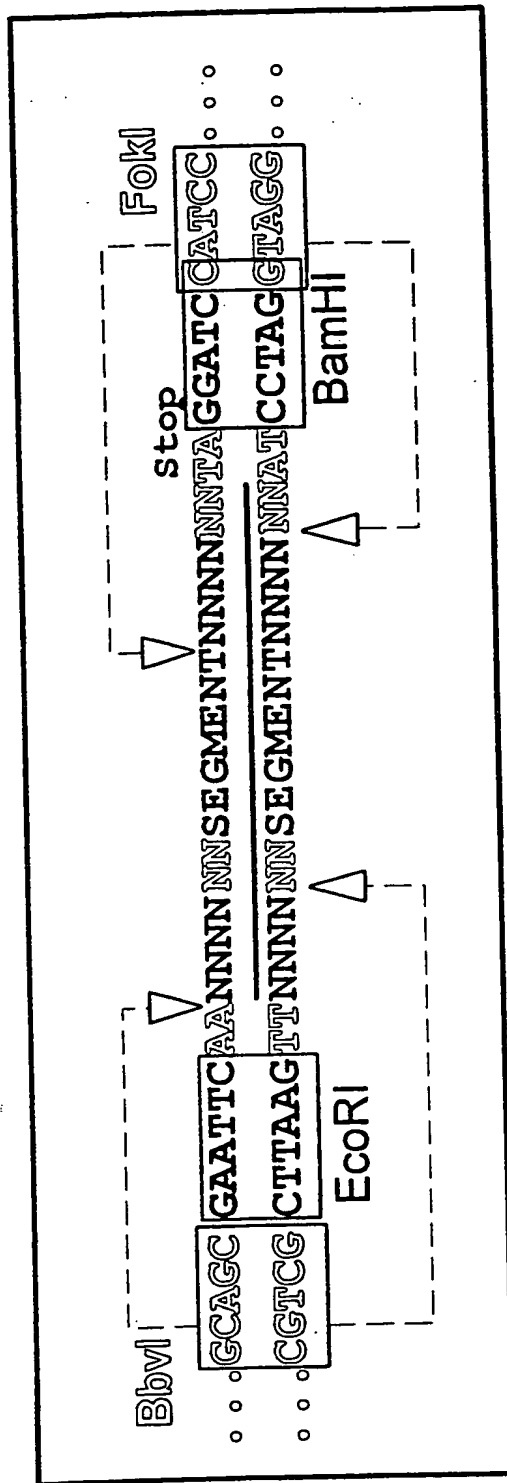


FIG. 4

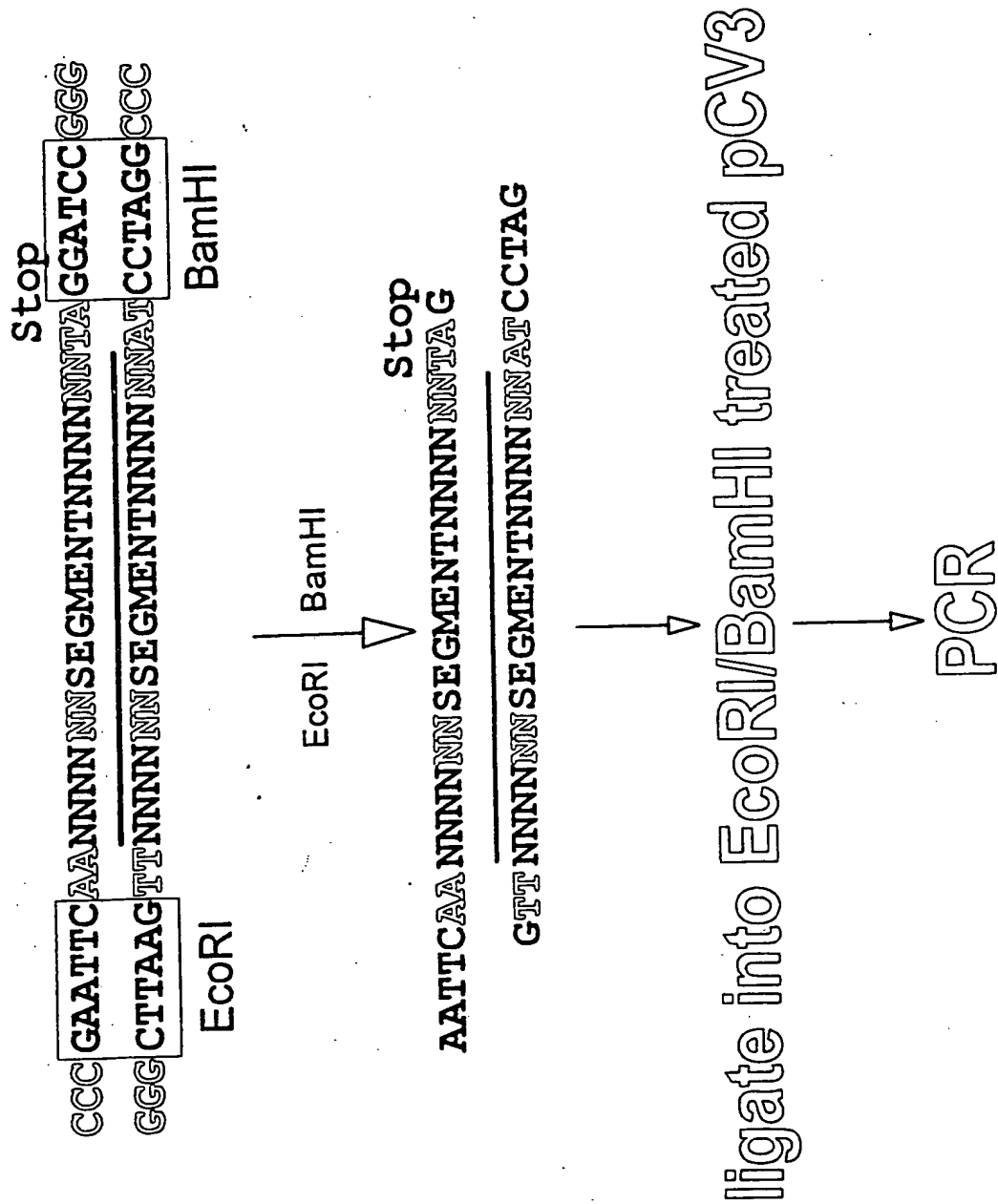


FIG. 5



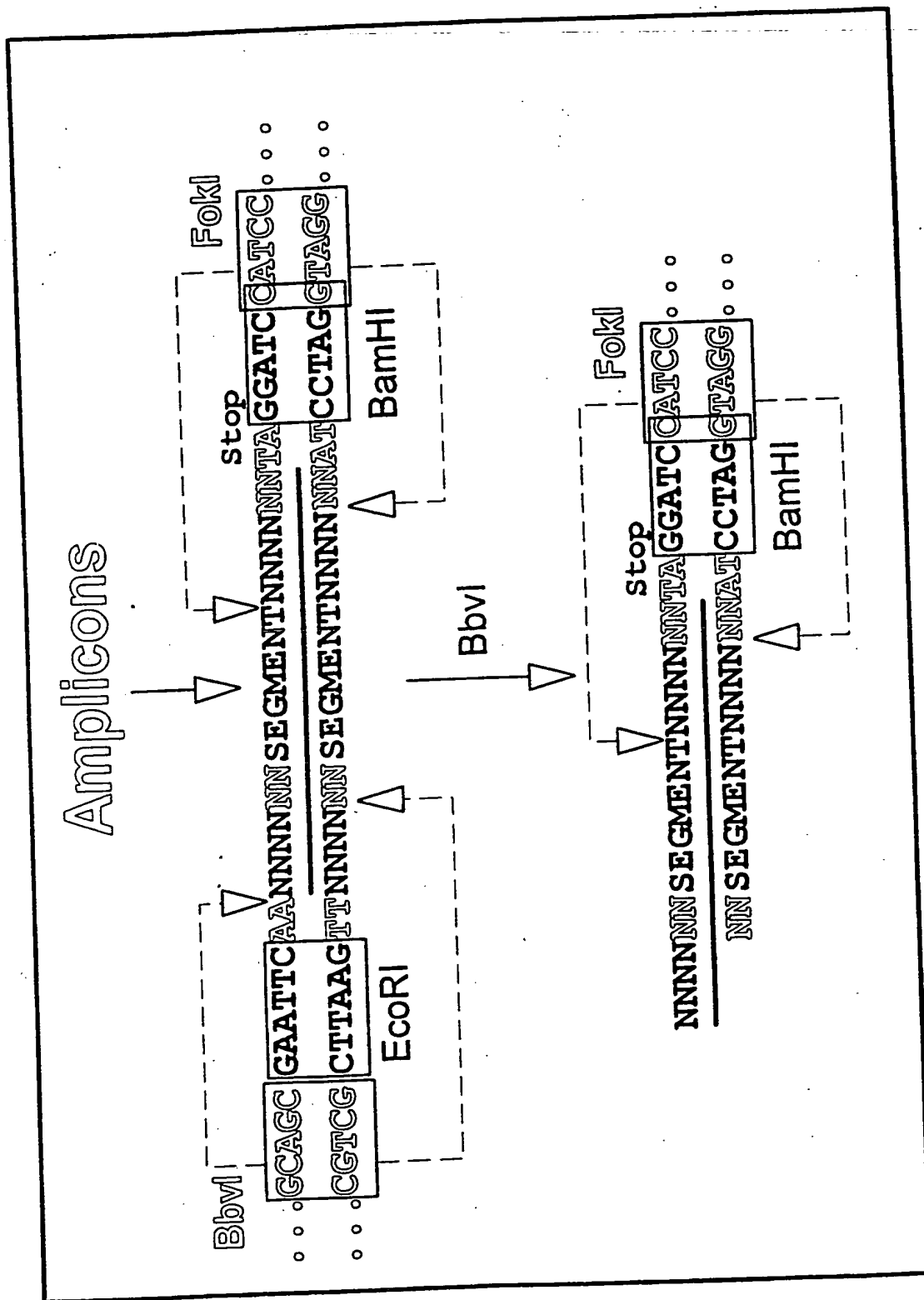


FIG. 7

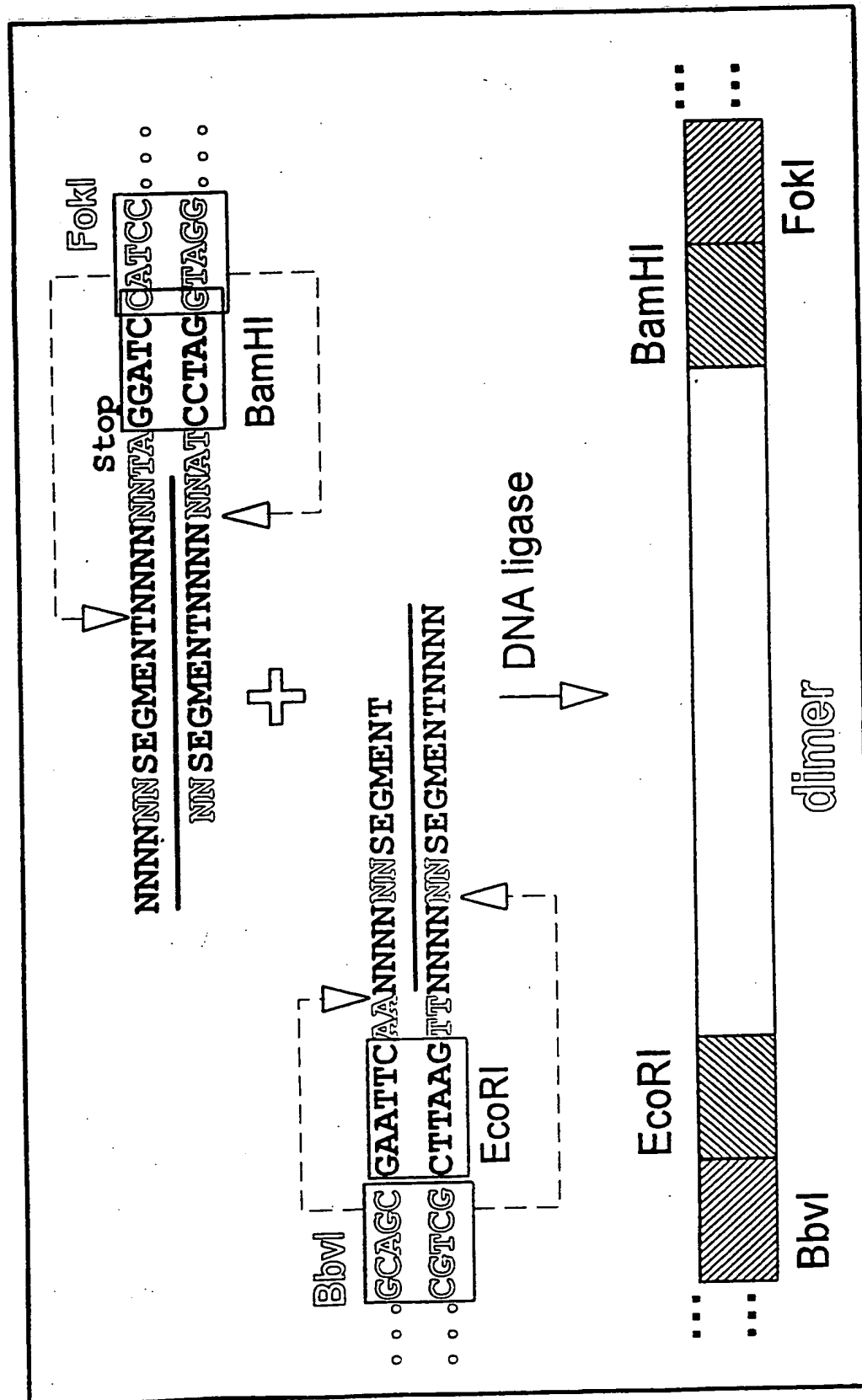
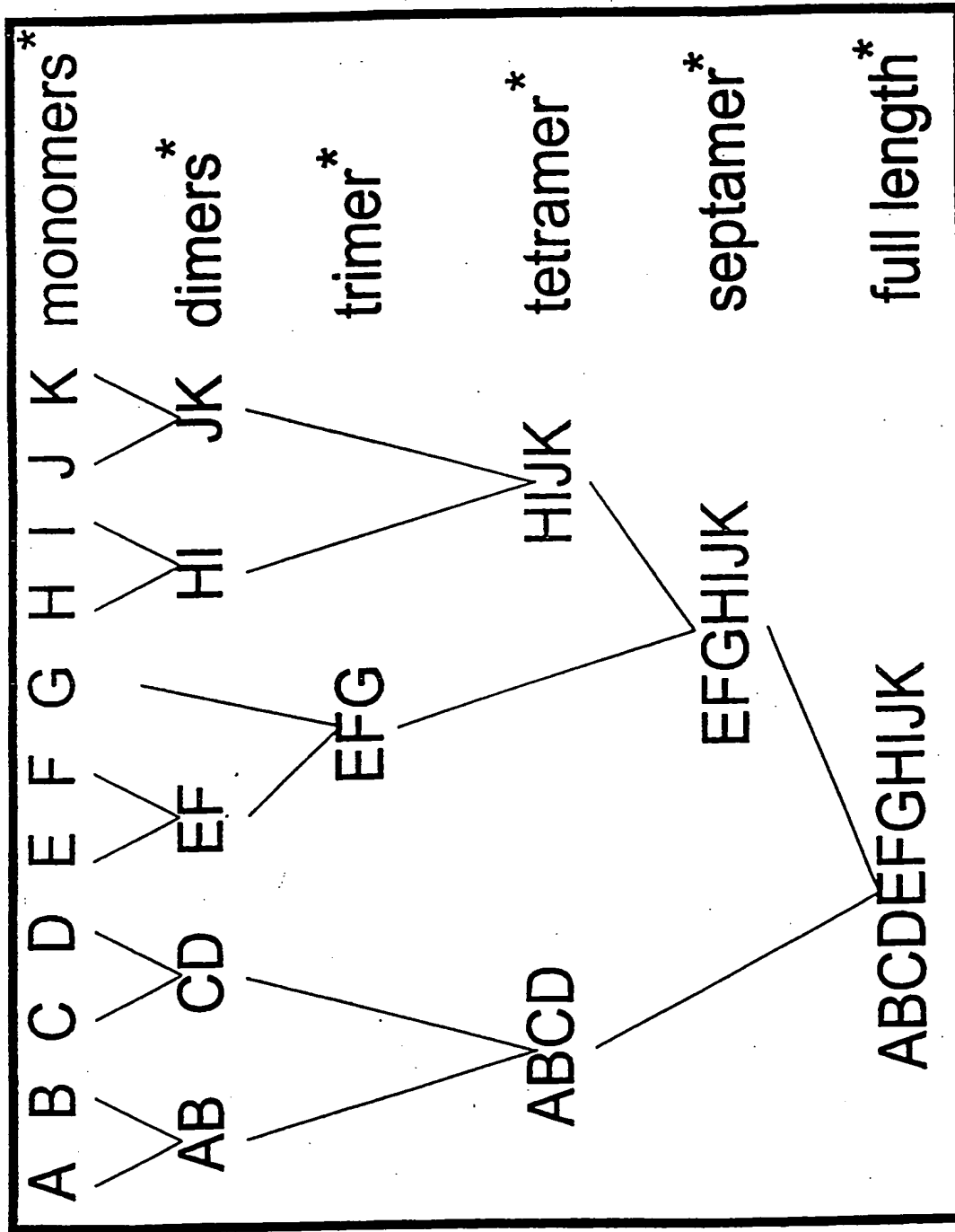


FIG. 8



Fragment	Sequence	SEQ ID NO
A	PKPQRKTKRN TIRRPQDVKE PGGQIVG	23
B	PKPQRQTKRN TNRRPQDVKE PGGQIVG	24
C	PKPQRKTKRN TYRRPQDVKE PGGQIVG	25
D	PKPQRKPNRN TNRRPQDVKE PGGQIVG	26
E	PKPQRQPKRN TPRRPQDVKE PGGQIVG	27
F	PKPQRKTKRN AHRRPQDVKE PGGQIVG	28
G	PKPQKRQNRN TNRRPQDVKE PGGQIVG	29
H	PKPQRKTKRN TIRRPQDVKE PGGQIVV	30
I	PKPQRKTERN TNRRPQDVRF SGGQIVG	31
J	PKPKRQTKRN TLRRPKNVKE PAGQIVG	32
K	PKPQRKTKRK AHRRPQDVKE PGGQIVG	33

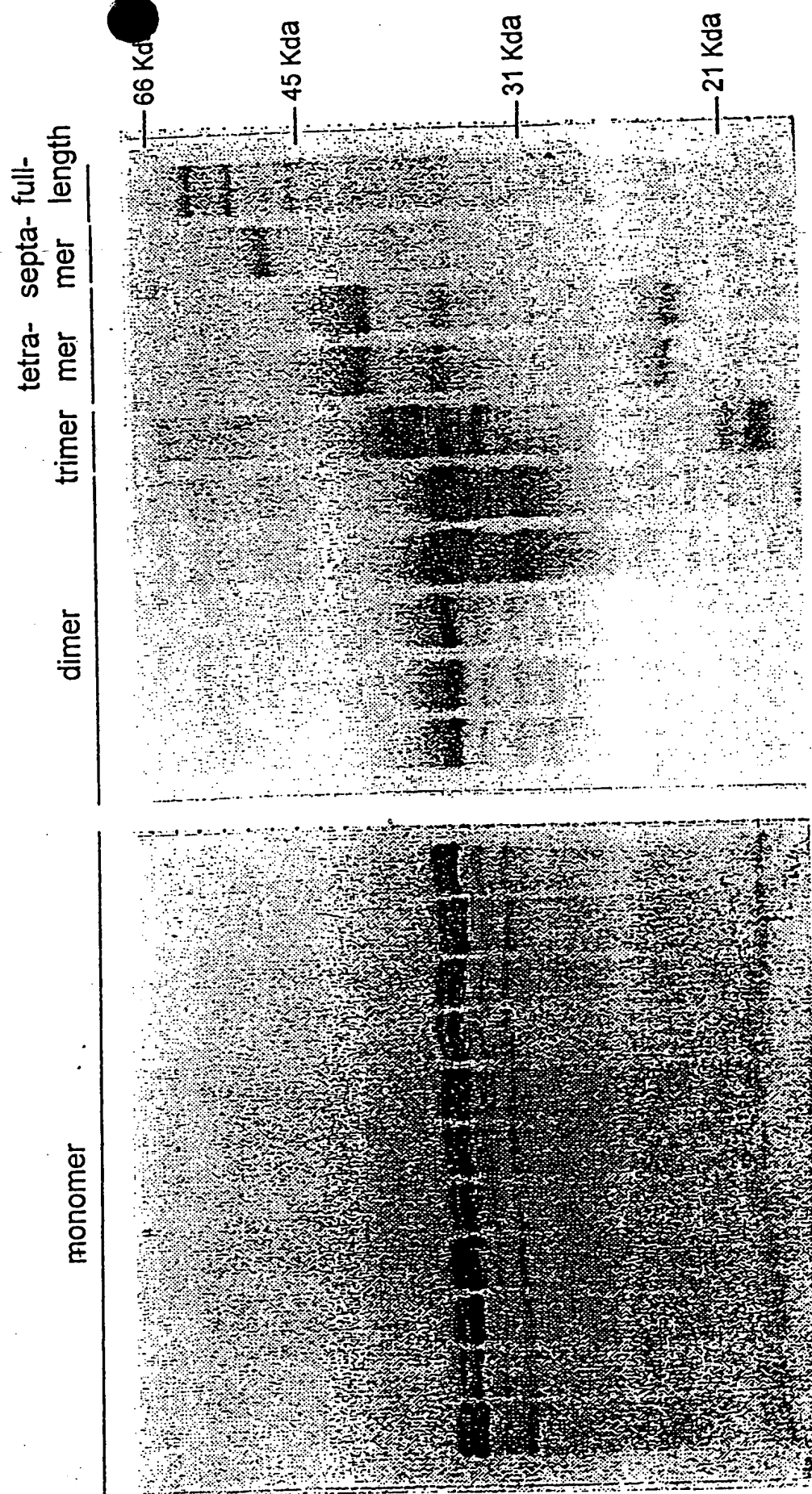
FIG. 9

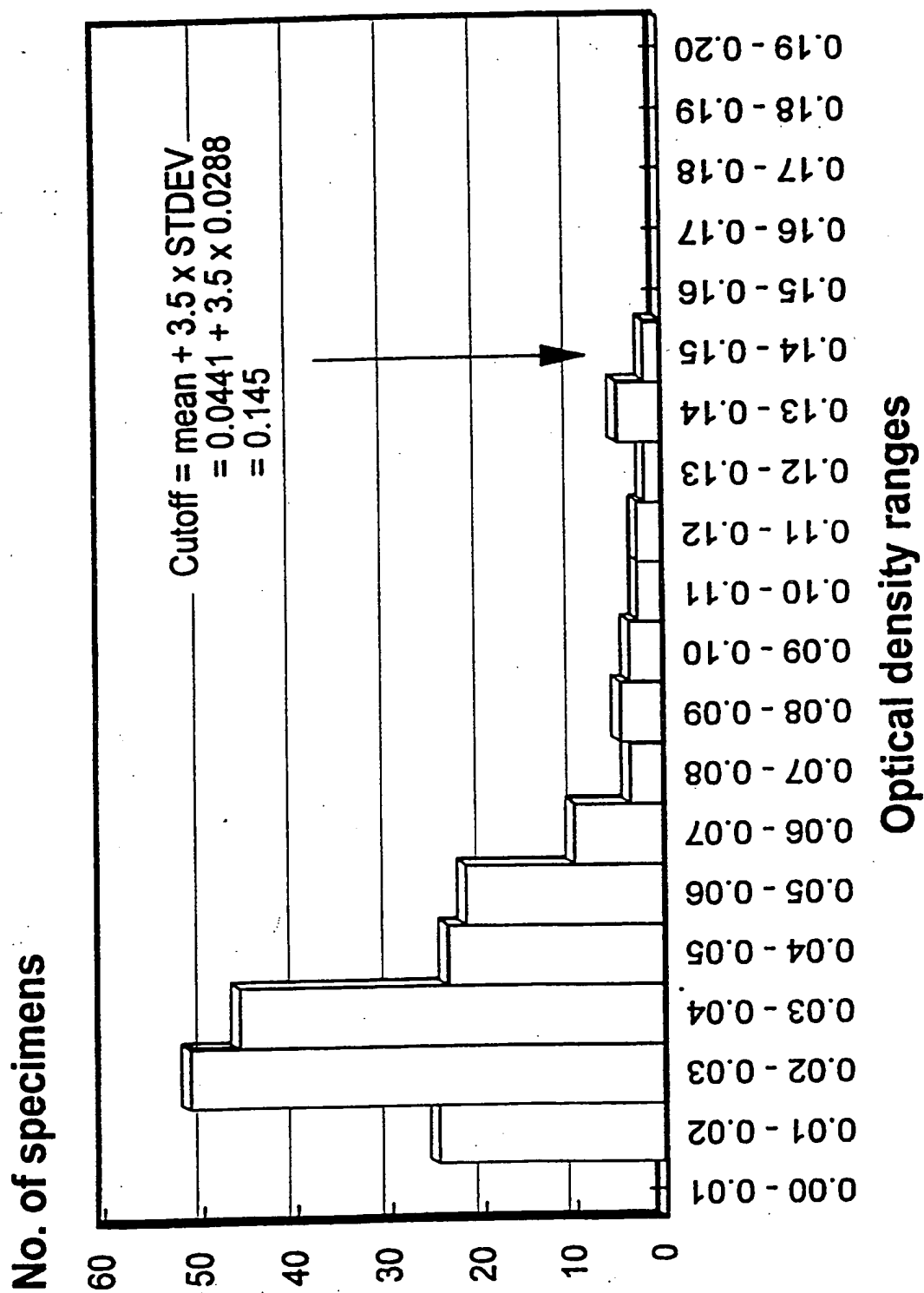


\* PCR, clone, PCR for sequence confirmation and sequential assembly, express, determine immunoreactivity

FIG. 10

Figure 11





**FIG. 12**

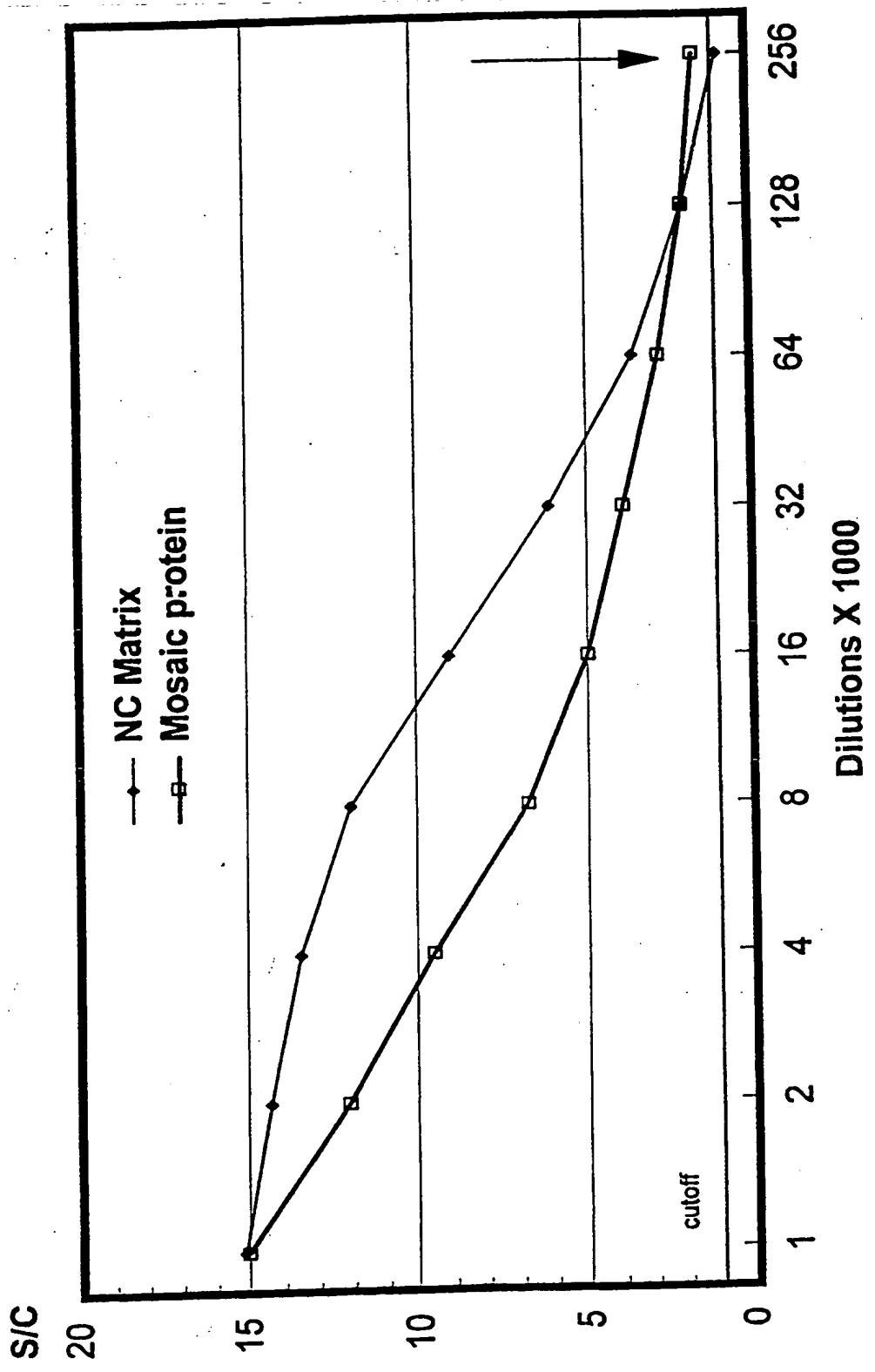


FIG. 13

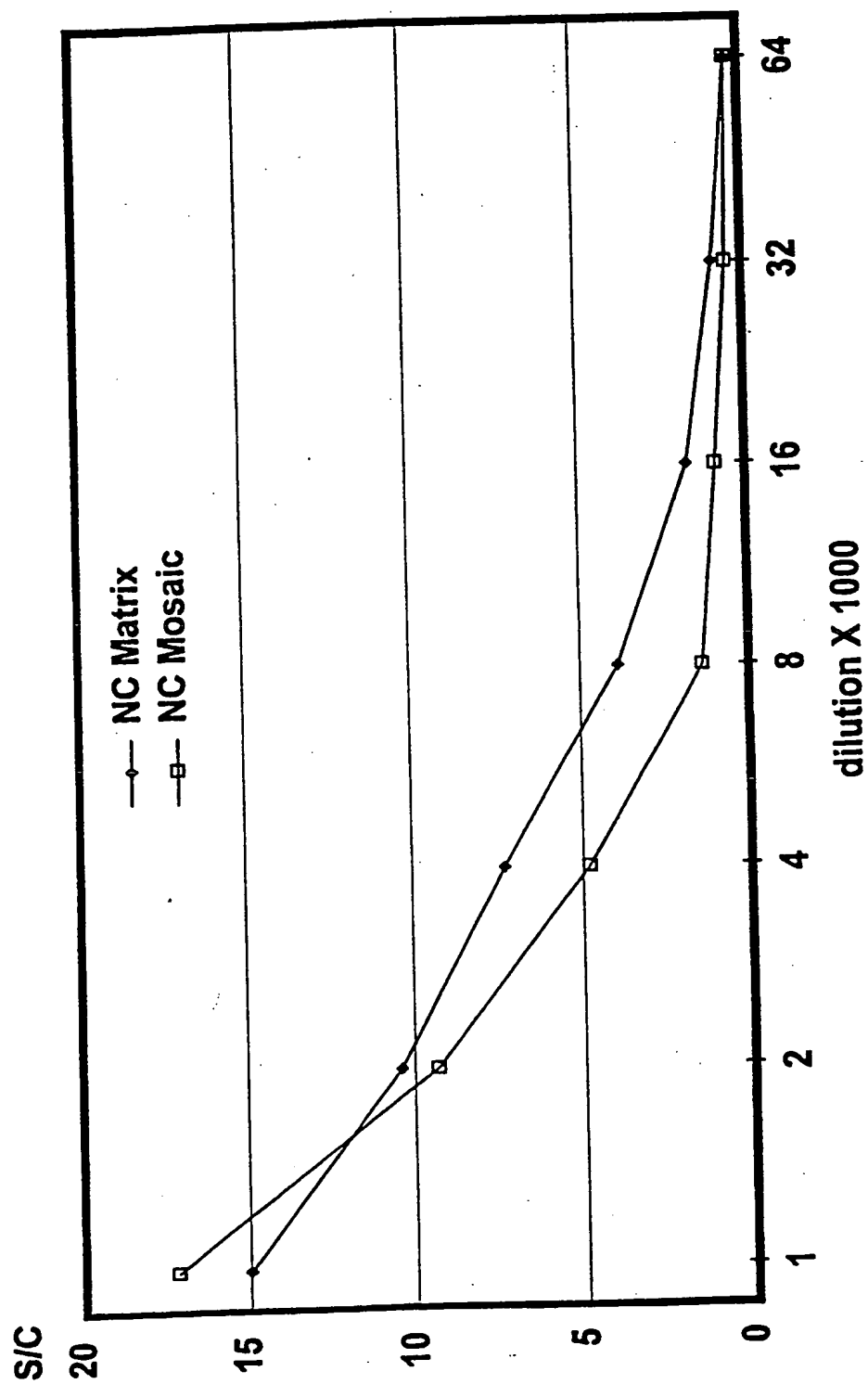


FIG. 14

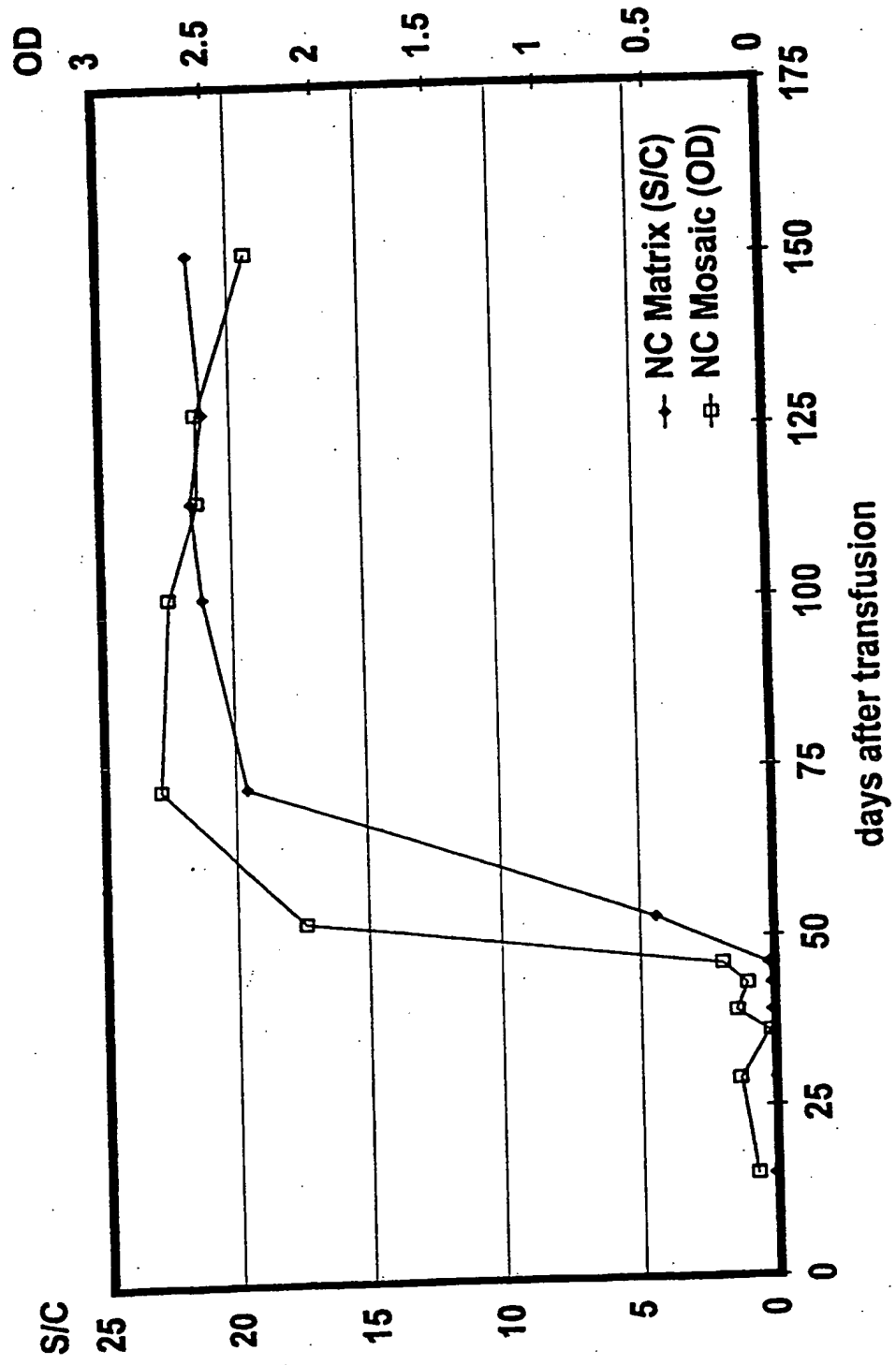


FIG. 15

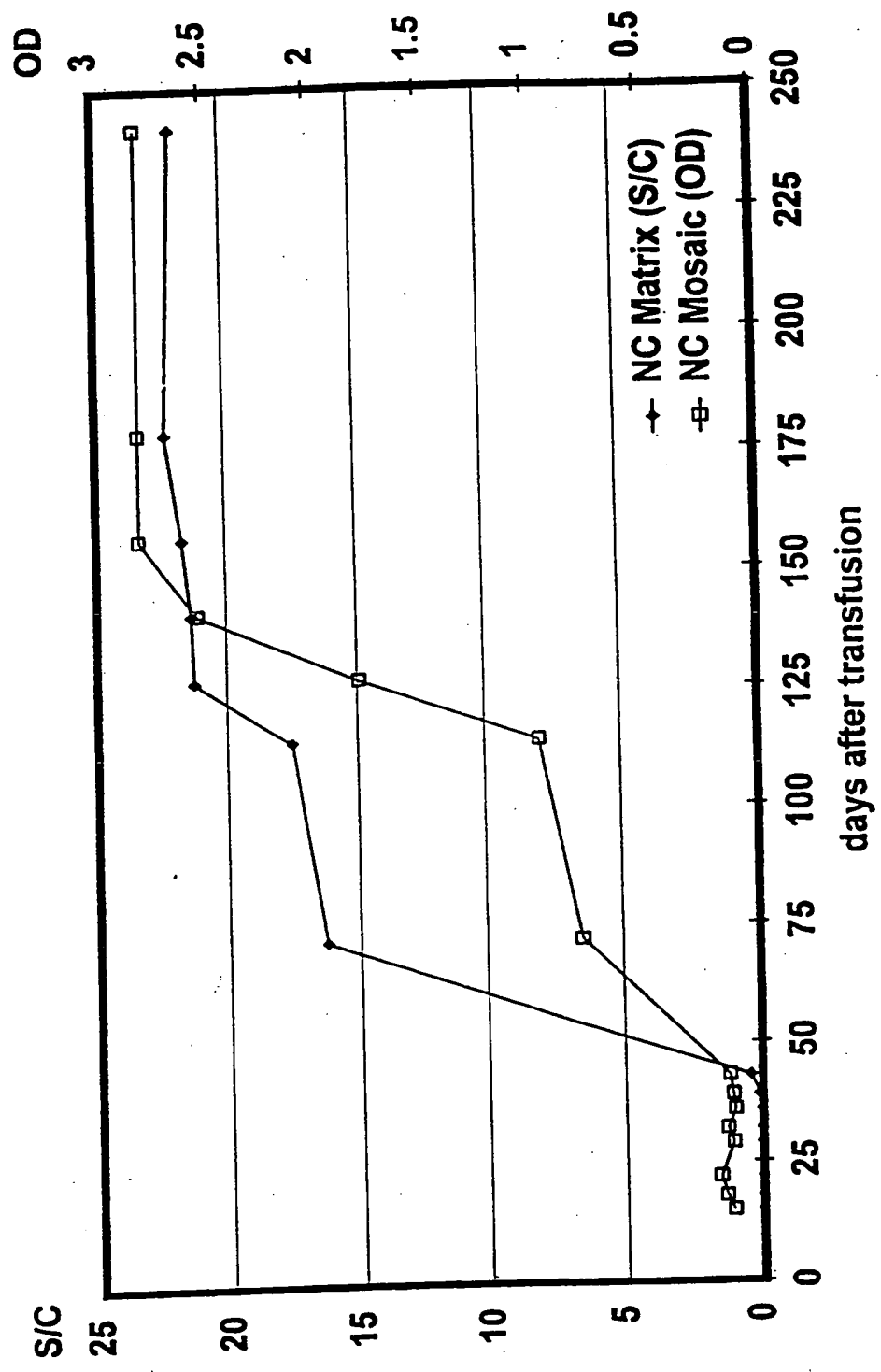


FIG. 16



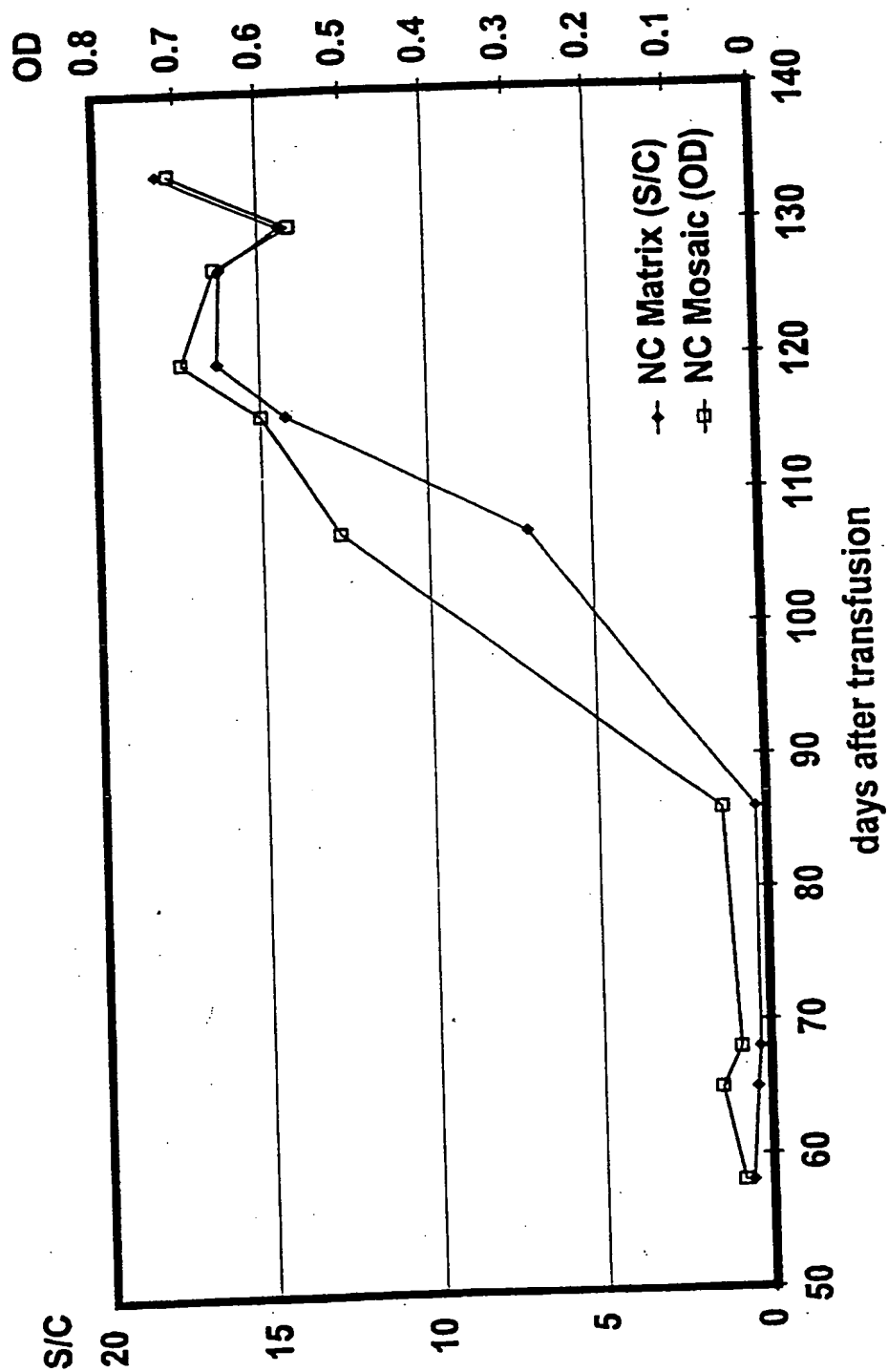


FIG. 17

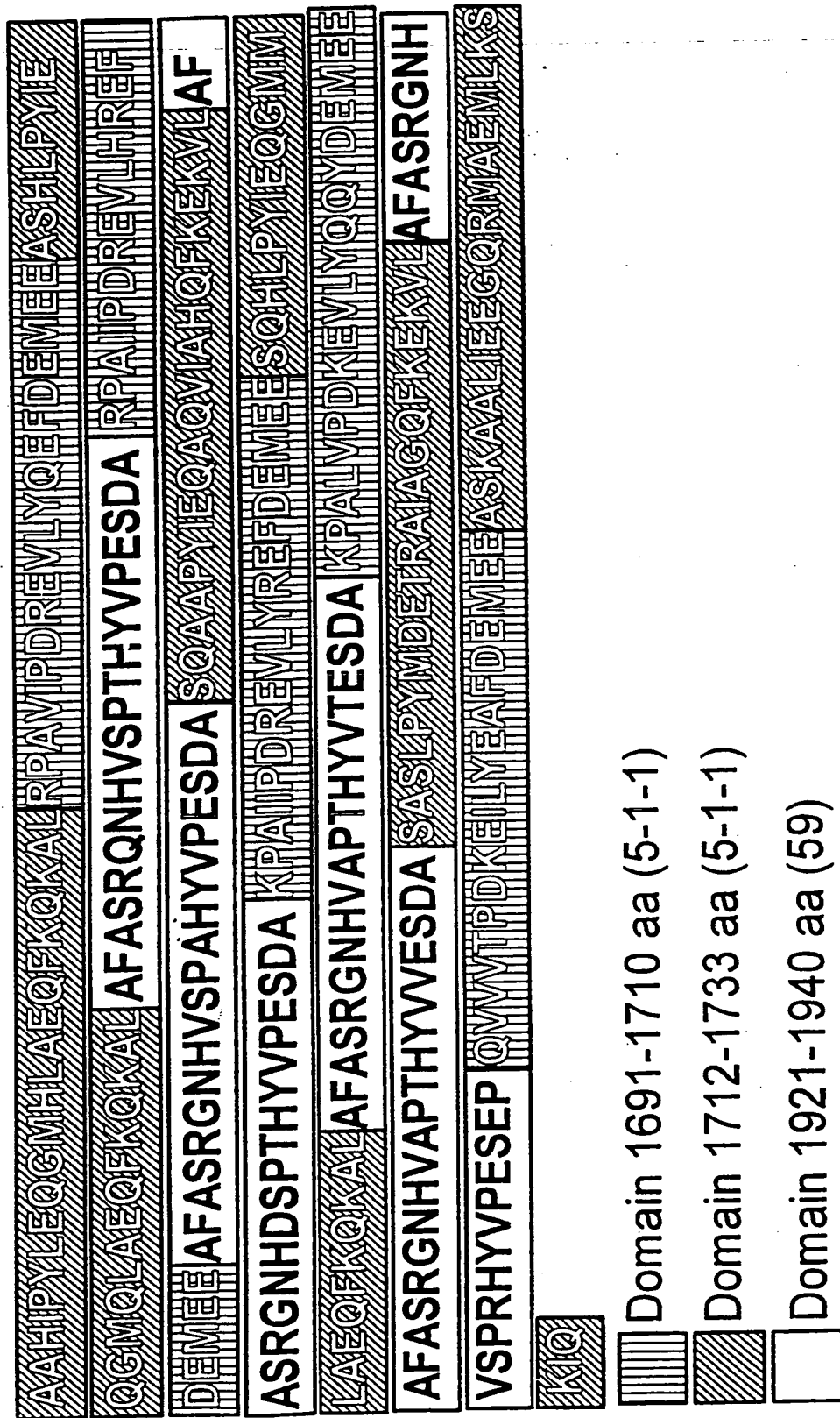
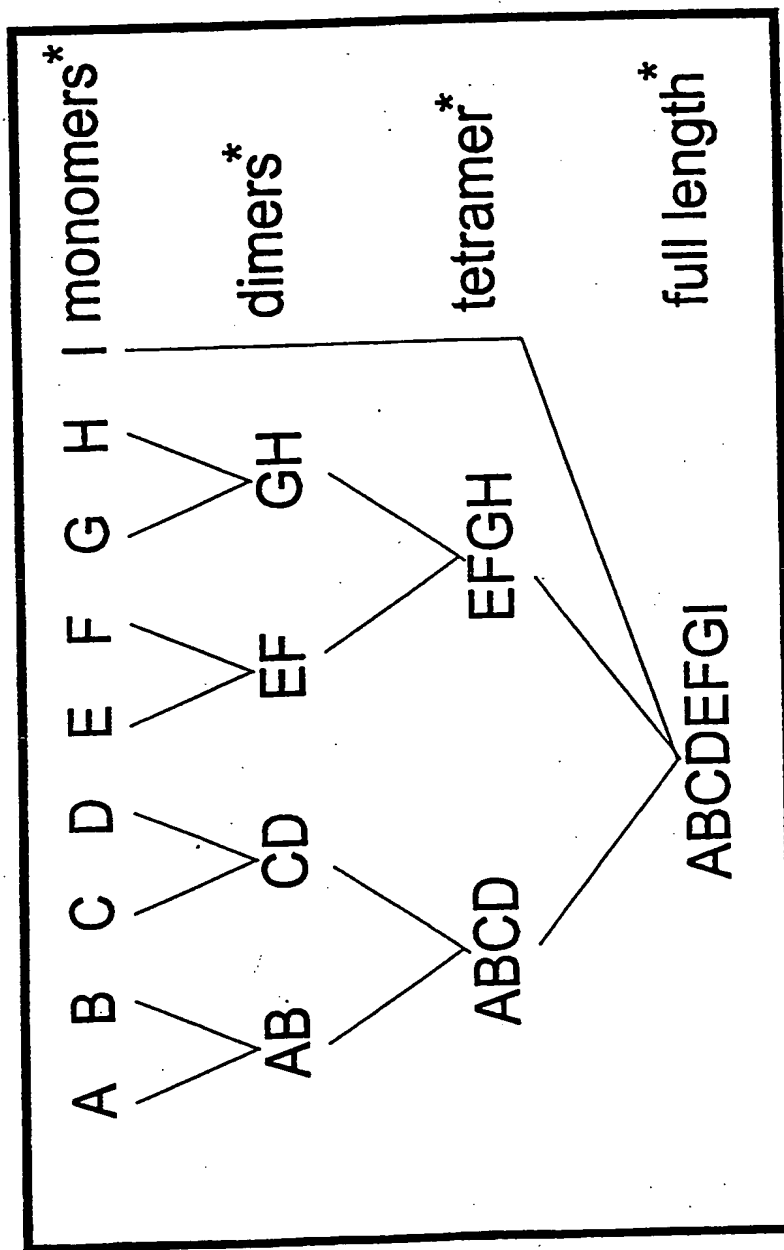


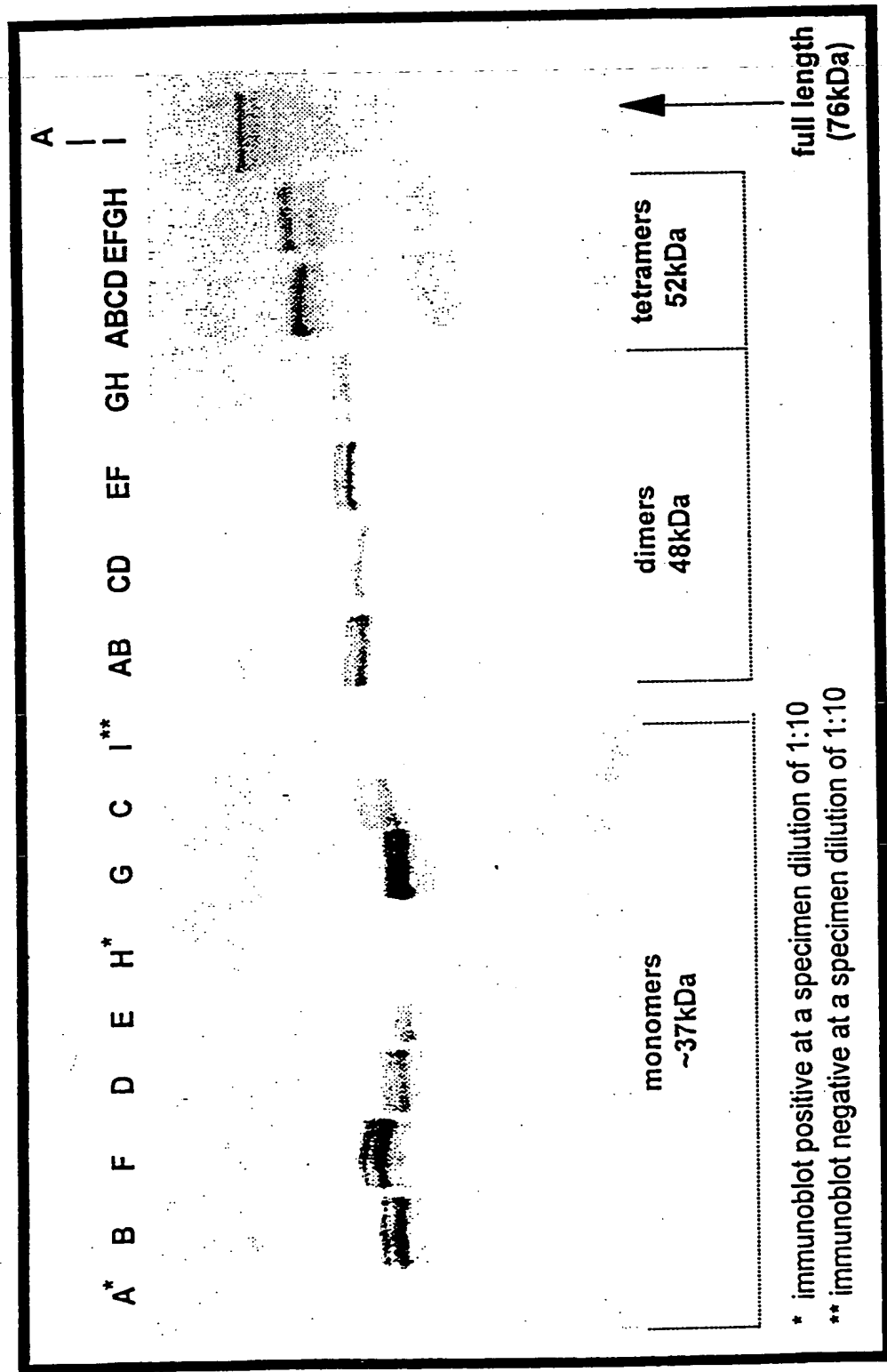
FIG. 18

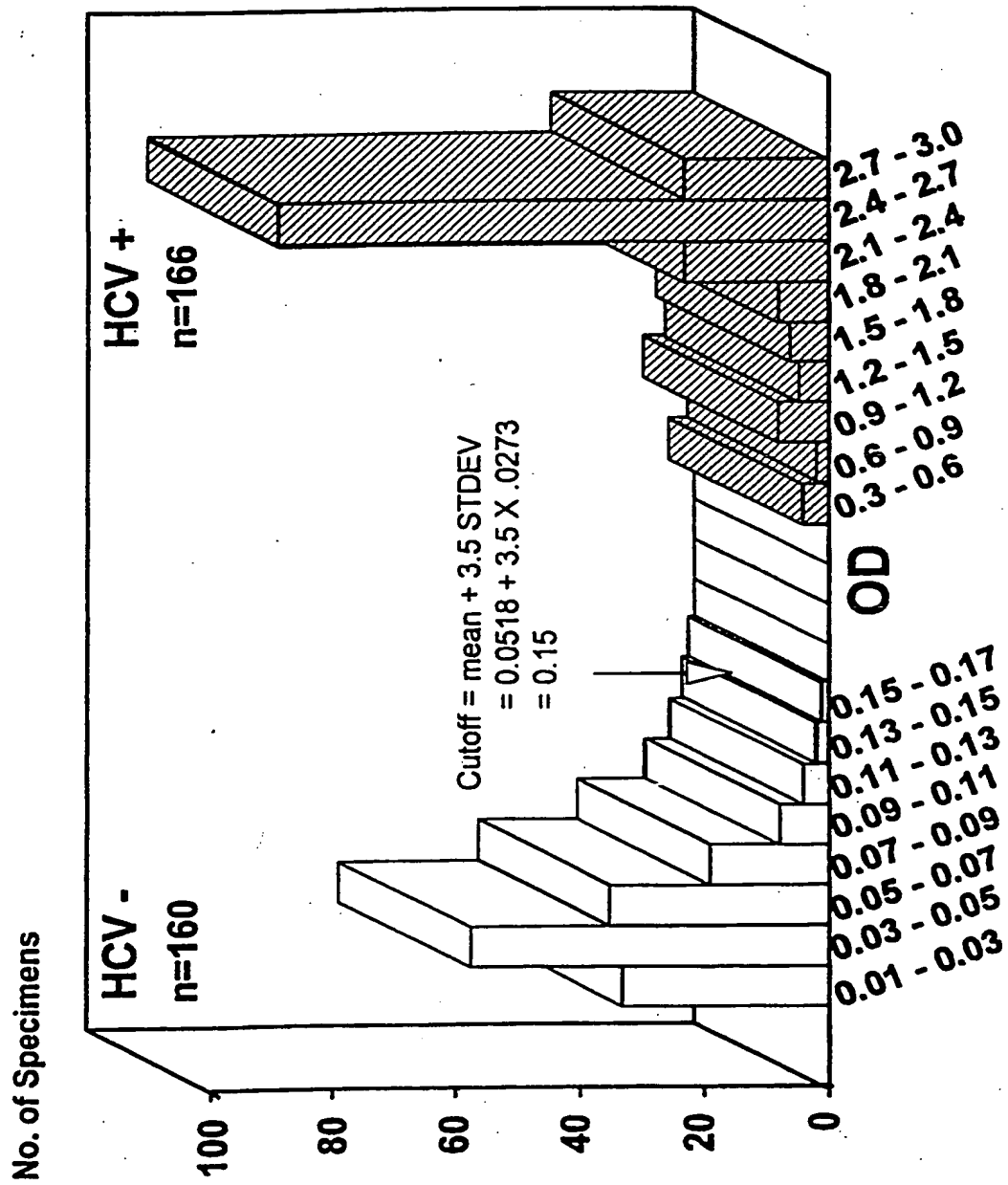


\* PCR, clone, PCR for sequence confirmation and sequential assembly, express, determine immunoreactivity

**FIG. 19**

Figure 20





**FIG. 21**

FIG. 22A

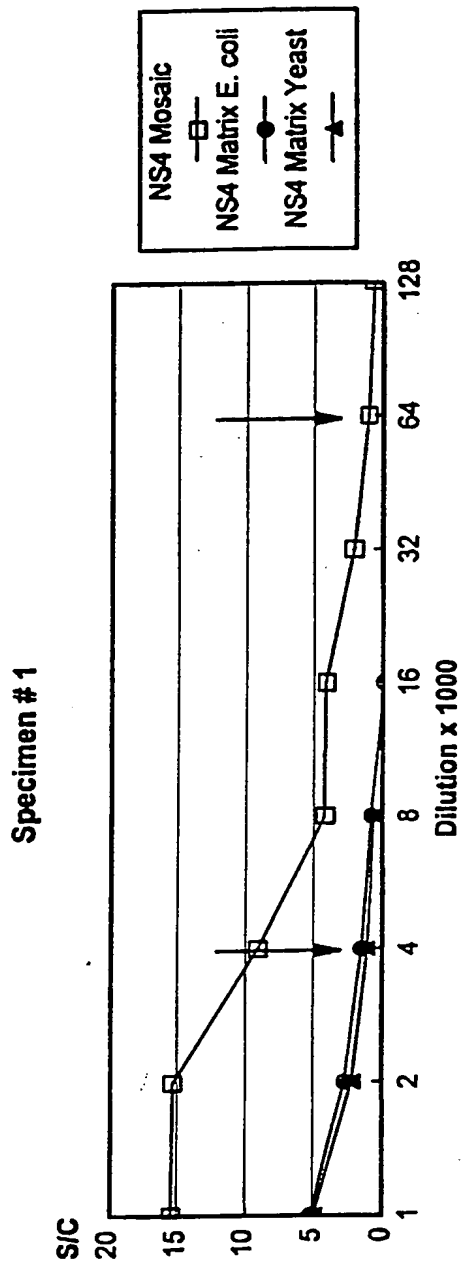
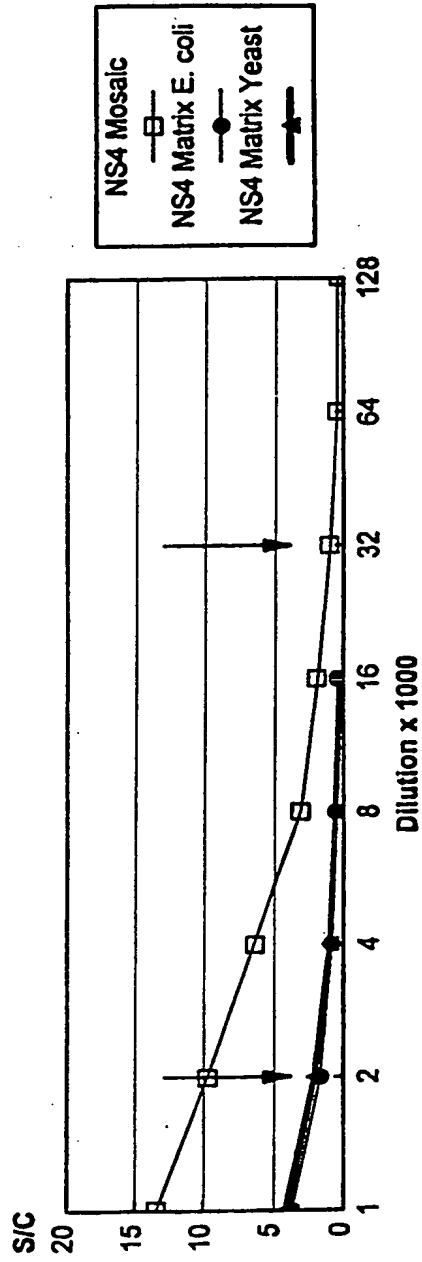


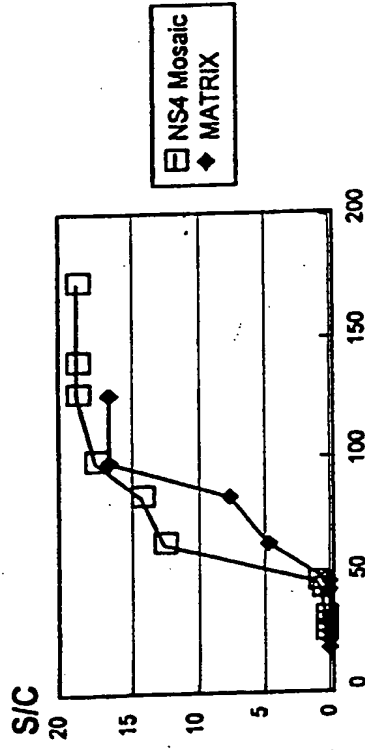
FIG. 22B



	NC Matrix	NS3 Matrix	NS4 Matrix	NS4 Mosaic
No. of anti-HCV sera tested	182	182	182	182
No. of positive sera	172	179	158	178
Percent positive	94.5%	98.4%	86.8%	97.8%

**FIG. 23**

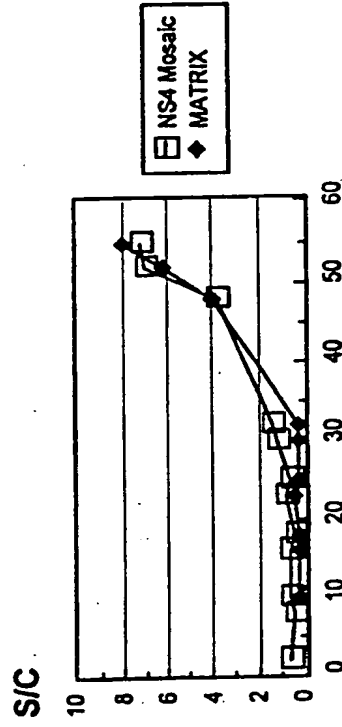
4811



Days After Transfusion

FIG. 24A

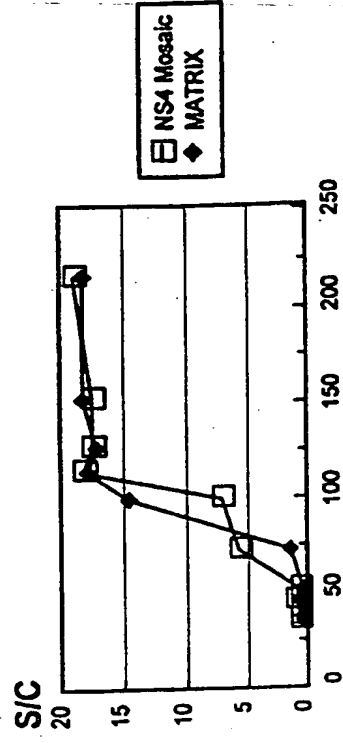
6214



Days After Transfusion

FIG. 24B

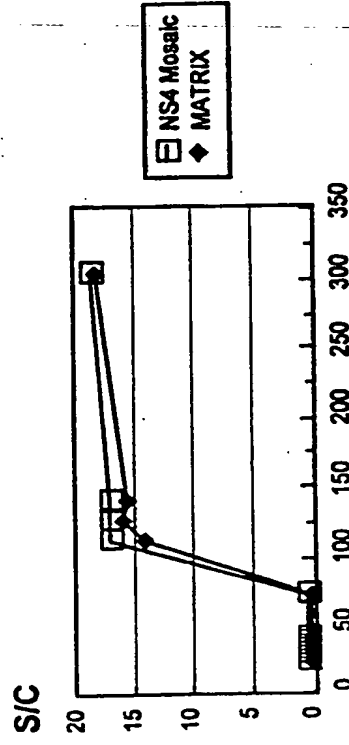
4812



Days After Transfusion

FIG. 24C

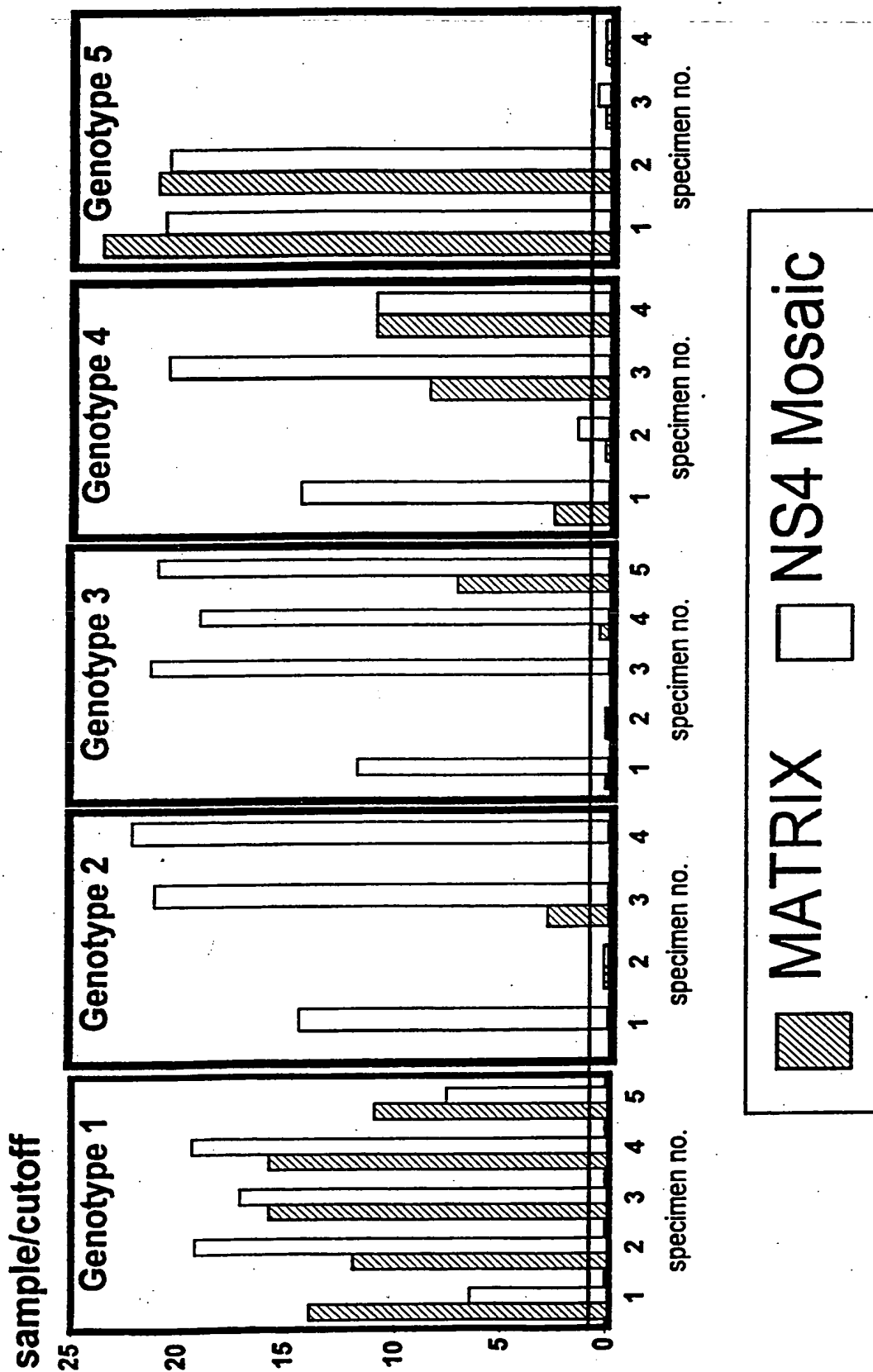
4813



Days After Transfusion

FIG. 24D





**FIG. 25**